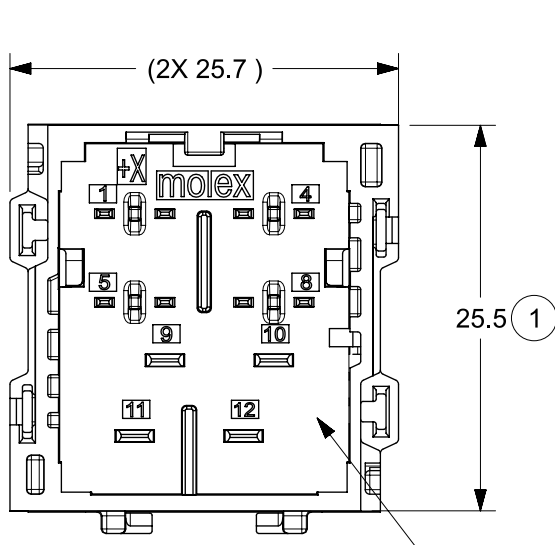
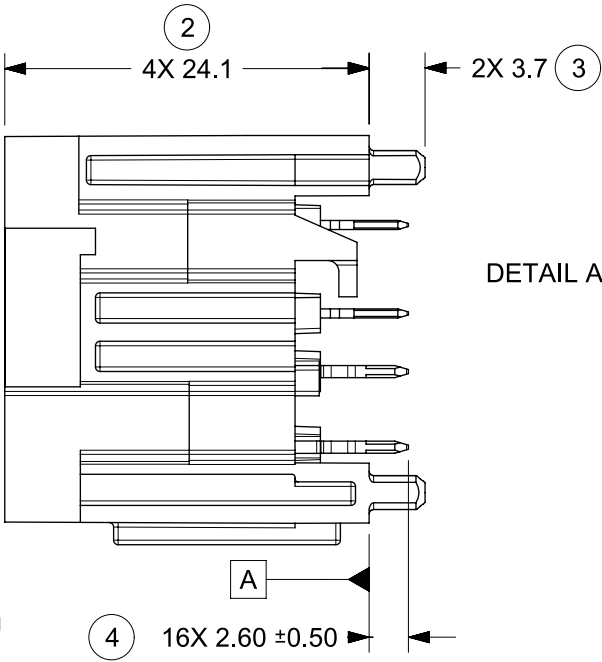


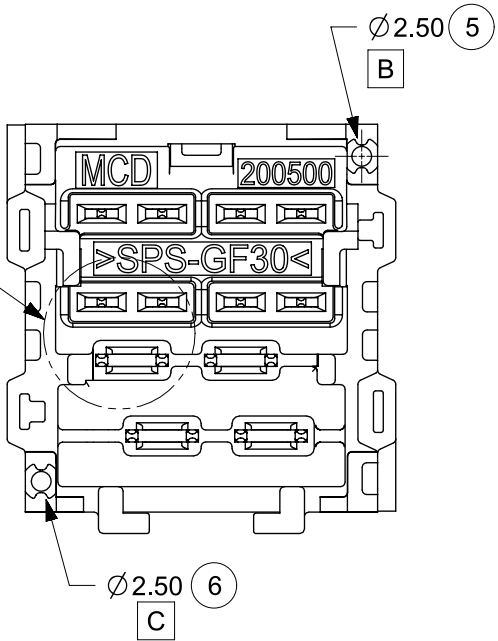


KEY 1  
PART NO. 2005010121

SEE NOTE 3g



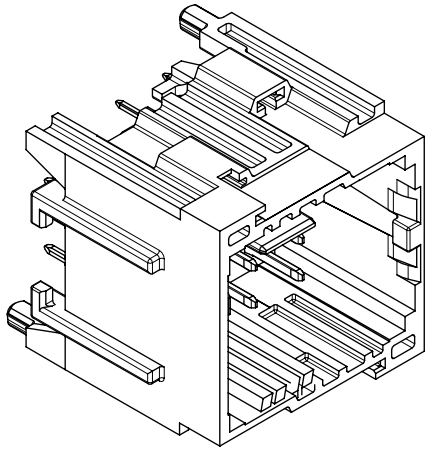
DETAIL A



- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
- a. APPLICATION SPECIFICATION 2005060000-AS
  - b. PRODUCT SPECIFICATION 2005060001-PS  
CLASSIFICATIONS T1V1S1 TO GMW 3191 2012  
DEGREE OF PROTECTION IP20 TO ISO 20653 WITH MOLEX MATING CONNECTOR
  - c. PACKAGING SPECIFICATION PER MOLEX DRAWING
2. DESIGN - MATERIALS:
- a. HOUSING: SPS 30% GF
  - b. BLADE TERMINALS:
  - 1. 1.2MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 28% IACS @ 20°C  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
  - 2. 2.8MM BLADES  
BASE MATERIAL: COPPER ALLOY  
CONDUCTIVITY ≥ 40% IACS @ 20°C  
UNDERPLATE: OVERALL NICKEL  
OVERPLATE: OVERALL TIN
3. DESIGN - GEOMETRY:
- a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
  - b. PRODUCT DESIGN MODEL NUMBER 2005010120
  - c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
  - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
  - e. CORNERS SHOWN AS SHARP TO BE R 0.4 MAX.
  - f. LETTERING SHALL BE MAX POSSIBLE FOR READABILITY.  
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
  - g. FOR BAY/POCKET DEFINITION SEE MOLEX INTERFACE DRAWING SD-160026-002
  - h. MATING HARNESS CONNECTORS MOLEX PN:  
1600260001 (KEY 1)  
1600260002 (KEY 2)  
1600260003 (KEY 3)  
1600260004 (KEY 4)
4. DESIGN - MANUFACTURING:
- a. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (CLASS B)
  - b. REFLOW SOLDERABILITY PER SMES-152

| PART NUMBER<br>TUBE PACKAGING<br>2005058100 | PART NUMBER<br>TRAY PACKAGING<br>2005053013-PK | KEY | COLOR  | TERMINAL<br>QUANTITIES |       |
|---------------------------------------------|------------------------------------------------|-----|--------|------------------------|-------|
|                                             |                                                |     |        | 1.2mm                  | 2.8mm |
| 2005010121                                  | 2005011121                                     | 1   | BLACK  | 8                      | 4     |
| 2005010122                                  | 2005011122                                     | 2   | GREEN  |                        |       |
| 2005010123                                  | 2005011123                                     | 3   | PURPLE |                        |       |
| 2005010124                                  | 2005011124                                     | 4   | GRAY   |                        |       |

FOUR (4) KEYS AVAILABLE  
SEE INTERFACE DRAWING  
SD-160026-002 FOR DEFINITION



|                               |
|-------------------------------|
| INSPECTION BALLOON NUMBER LOG |
| PER DRAWING REVISION: D1      |
| LAST BALLOON NUMBER: 11B      |
| ADDED BALLOON NUMBER: NONE    |
| DELETED BALLOON NUMBER: NONE  |

|                                                                                           |                                                                                                                                               |  |         |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------|------------------------|--------------------------------------|------------|--|--------------------------------|--|-----------------|----------|----------|----------|--------------|--|
| FUNCTIONAL SYMBOLS<br><br>E/A = 0<br><br>E/E = 0<br><br>E/V = 0<br><br>DIVISIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |         |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | DIMENSION UNITS                                                                                                                               |  | SCALE   |                        | CURRENT REV DESC: SEE REVISION TABLE |            |  | <div>molex</div>               |  |                 |          |          |          |              |  |
|                                                                                           | MM                                                                                                                                            |  | 2:1     |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |         |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | ANGULAR TOL ± °                                                                                                                               |  |         |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | 4 PLACES                                                                                                                                      |  | ±       |                        |                                      |            |  | STAK50H MOD HDR 12 VERT SOLDER |  |                 |          |          |          |              |  |
|                                                                                           | 3 PLACES                                                                                                                                      |  | ±       |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | 2 PLACES                                                                                                                                      |  | ± 0.130 |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | 1 PLACE                                                                                                                                       |  | ± 0.25  |                        |                                      |            |  |                                |  |                 |          |          |          |              |  |
|                                                                                           | 0 PLACES                                                                                                                                      |  | ±       |                        | PRODUCT SALES DRAWING                |            |  | DOCUMENT NUMBER                |  |                 | DOC TYPE | DOC PART | REVISION |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                      |                                                                                                                                               |  |         | THIRD ANGLE PROJECTION |                                      | DRAWING    |  | SERIES                         |  | MATERIAL NUMBER |          | CUSTOMER |          | SHEET NUMBER |  |
|                                                                                           |                                                                                                                                               |  |         |                        |                                      | B-SIZE     |  | 200501                         |  | SEE TABLE       |          |          |          | 1 OF 2       |  |
|                                                                                           |                                                                                                                                               |  |         | STATUS: Production     |                                      | 2024-01-09 |  | 2005011120SD                   |  | PSD             |          | 000      |          | D1           |  |
|                                                                                           |                                                                                                                                               |  |         | DRWN: Praveen Kumar S  |                                      | 2024-01-12 |  |                                |  |                 |          |          |          |              |  |
|                                                                                           |                                                                                                                                               |  |         | CHK'D: Kun Du          |                                      | 2024-01-12 |  |                                |  |                 |          |          |          |              |  |
|                                                                                           |                                                                                                                                               |  |         | APPR: Ringo Hu         |                                      | 2024-01-12 |  |                                |  |                 |          |          |          |              |  |

